ACKNOWLEDGEMENTS

I am deeply indebted to Prof. S. M. Casshyap my supervisor for suggesting the research problem and guiding me constantly during the entire course of this work.

I am also thankful to Chairman, Department of Geology for providing necessary research facilities.

It is my proud privilege to express my sincere thanks to my teachers Prof. B. D. Bhardwaj and Dr. M. Raza and my senior colleagues Drs. M. Aslam, Adal Singh, A. H. M. Ahmad, M. Shamim Khan, S. H. Alvi, Abrar Ahmad and N. K. Mathur for their co-operation and help rendered at different stages of this work.

My friends Messrs Najmul Hasan, B. K. Srivastava, S. Z. Hasan, Ali Husain, Zakeeruddin, A. M. Qureshi, and Wasi A. Zaidi have always been source of moral support. I am very thankful to all of them.

Mr. Saleemuddin Ahmad (Drawing Instructor) is acknowledged for his nice cartographic work.

I must put on record my gratitude towards my uncle and brothers Messrs Badshah H. Khan, M. Shifayat H. Khan and Pervez R. Khan and sisters for their love, encouragement and inspiration without which this work would not have been possible.

I am grateful to my wife for exhibiting remarkable perseverance during the entire course of this investigation.

My parents taught me honesty, sincerity and dedication. It is the outcome of their teaching, Alas! they are no more to see it.

Junior and Senior Research Fellowship received from University Grants Commission, New Delhi during the course of this work is gratefully acknowledged.

ABDULLAH KHAN